

CASTLE DONINGTON
RURAL DISTRICT COUNCIL.

HEALTH REPORT

FOR THE YEAR 1904.

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HEALTH REPORT FOR 1904.

To the Chairman and Members of the Castle Donington
Rural District Council.

GENTLEMEN,

I have much pleasure in presenting my fourth Annual Report on the health and general sanitary condition of the District.

The area of the District is 15,398 acres, slightly over 22 square miles.

The principal geological formations are :—

At Breedon—New red marl, Keuper sandstone, Carboniferous limestone.

„ Castle Donington—Keuper sandstone and new red marl.

„ Diseworth, Isley Walton, Hemington—New red marl.

„ Lockington—Alluvium, but the village proper stands on new red marl.

„ Kegworth—Keuper sandstone and new red marl.

VITAL STATISTICS.

POPULATION—At the census of 1891 the population was 6,393, at that of 1901 it was 6,223. It is doubtful if this decrease in population has continued, but at the same time there is probably little increase. In all tables and calculations, I have therefore assumed the figures to have remained about stationary.

The following table shews the actual change in population between the years 1891—1901.

Parish.	Inhabited Houses.		Families or Separate Occupiers.	POPULATION.							
				Males.		Females.		Total Persons.		Increase	Decrease
	1891	1901		1891	1901	1891	1901	1891	1901		
Breedon ...	167	159	162	322	367	327	337	649	704	55	.
Castle Donington	604	607	615	1222	1163	1369	1351	2591	2514	...	77
Diseworth ...	89	88	88	185	203	184	180	369	383	14	...
Hemington ...	76	75	76	169	162	189	170	358	332	...	26
Isley Walton ...	7	6	6	18	23	24	20	42	43	1	...
Kegworth ...	472	464	471	1021	966	1128	1112	2149	2078	...	71
Langley Priory ...	3	3	3	5	5	11	9	16	14	...	2
Lockington ..	42	33	33	110	82	109	73	218	155	...	64
Castle Donington } Rural District }	1460	1435	1454	3052	2971	3341	3252	6393	6223	...	170

BIRTHS.—The number of births registered during the year was 148 : of these 65 were males and 83 females,

The birth rate for the year was 23.7 per 1000 of the population. This, it will be seen, was slightly higher than that for last year, but considerably below that for Rural England and Wales, which was 26.8. The excess of births over deaths was 65.

DEATHS.—The total number of deaths was 83, giving an annual death rate of 13.3 per 1000 of the population. This is the lowest rate recorded for the District during the last ten years. The death rate for 1904 for Rural England and Wales was 15.3 per 1000.

Of the deaths registered, 45 were of males and 38 of females. No uncertified death was registered during the year.

ZYMOTIC DEATH RATE.—Epidemic diseases were responsible for 6 deaths, viz, Measles 1, Scarlet Fever 1, Diarrhœa 4. The mortality rate, therefore, from the seven chief epidemic diseases was 0.9 per 1000 of the population. The rate for the year for Rural England and Wales was 1.28 per 1000.

INFANT MORTALITY.—The total number of infants who died under one year was 19, as compared with 20 in 1903. The Infantile Death Rate was 128 per 1000 births registered. This is practically equivalent to saying that one child out of every nine died before attaining the age of twelve months.

TABLE II.—Vital Statistics of each Parish in the District during 1904.

Locality.	Area in Acres.	Population. Census 1891.	Population. 1901.	Number of Births.		Number of Deaths.	Calculated on Population as estimated to middle of 1904.		Infant Deaths per 1000 Births.
				M.	F.		Birth Rate per 1000.	Death Rate per 1000.	
Breedon ...	3143	649	704	7	9	4	22.0	5.5	125
Castle Donington ...	3840	2591	2514	35	35	41	27.8	16.3	128
Diseworth ...	1961	369	383	4	3	11	18.2	28.7	143
Hemington ...	1439	358	332	2	9	3	30.7	8.3	182
Isley Walton ...	1048	58	57	—	—	—	—	—	—
Kegworth ...	2295	2149	2078	17	23	24	19.2	11.5	125
Lockington ...	1870	219	155	—	4	—	25.8	—	—
Whole District ...	15,398	6393	6223	65	83	83	23.7	13.3	128

INFECTIOUS DISEASES.

Total number of cases notified 55, consisting of Diphtheria 2, Erysipelas 2, Scarlet Fever 50, Enteric Fever 1, *Houses infected 35. Patients removed to Hospital 1. Deaths 1.*

PREVENTIVE MEASURES.—Every house infected with notifiable infectious disease was visited by me upon receipt of the notification. When necessary, other visits were paid to make sure that the instructions given were being attended to. Directions were given as to isolation of the patient, and the steps to be taken in order to prevent the spread of the disease. Printed leaflets, containing hints on the management of the case, and pointing out the penalties for neglect of the necessary precautions were left at all infected houses. Disinfectants were supplied, when necessary, to persons unable to obtain them for themselves. In cases where disinfection appeared unlikely to be properly carried out, the work was done by the authority, under the supervision of the Inspector.

In districts where outbreaks of infectious disease occurred caution bills were distributed by means of the school children, and large posters were exhibited in various places.

Insanitary conditions were frequently found at houses where infectious disease occurred. When necessary, the Inspector served notices for their removal, and in all instances these notices were complied with.

Where the schools appeared to be connected with the spread of infection, I visited them and examined the children present. In addition, regular visits were paid to the schools, enquiries being made as to the general health of the scholars, and the prevalence of any non-notifiable infectious disease.

Visits were paid to the homes of children whose attendance at school had been irregular, if there was any suspicion that they were suffering from infectious disease.

The following schools were closed upon my advice during the year :—

CASTLE DONINGTON, from November 9th over Christmas holidays on account of Scarlet Fever.

KEGWORTH, from November 24th over Christmas holidays on account of Measles.

All WILSON children were excluded from Melbourne schools from March 28th to April 28th, on account of Scarlet Fever.

When the day schools in a parish were closed on account of infectious disease, I wrote to the Superintendents of the different Sunday Schools asking that these might also be closed, and in all cases the request was complied with.

One child only was removed to Draycott under the arrangement made with the Isolation Hospital Committee. Unfortunately during the whole year, whenever it was desired to remove patients to hospital, it was found impossible to do so. The Draycott Hospital Committee only receive Castle Donington district patients when less than twelve are in the hospital from other districts, and as this was never so when we wished to move cases, the arrangement was quite useless. I should like to see a small hospital erected for the

use of this district only. Had we possessed one last year the Castle Donington outbreak would probably have been stamped out from the first case.

SMALL POX.—No case occurred during the year although there were considerable outbreaks in several places close at hand. The isolation of Small Pox cases is undertaken by the Leicestershire County Council.

SCARLET FEVER.—Cases notified, 50 ; houses infected, 30 ; death, 1.

At WILSON, in the early part of the year, 10 cases occurred, but only 3 houses were infected. The disease was of a very mild type, but as there was considerable difficulty in obtaining proper isolation, it is fortunate that there was no further spread of the complaint.

The largest outbreak occurred at Castle Donington towards the end of the year, 23 cases being notified. The value of school closure in dealing with an epidemic of Scarlet Fever was well shewn in this instance. The schools were closed on November 9th. Between November 2nd and November 9th, seven cases were notified; from 9th to 26th six fresh cases occurred, but two of them were second cases in already infected houses. From November 26th to the end of the year, only one fresh case occurred, and by the end of January the parish was quite free from any case of Scarlet Fever.

It is now a considerable time since an epidemic of Scarlet Fever occurred at Castle Donington, and considering how many susceptible children there must be in the parish, it is most fortunate that this outbreak did not spread to a much greater extent.

At HEMINGTON seven cases were reported, but only 4 houses were infected. The disease was of a mild type and calls for no comment.

DIPHTHERIA.—Two cases were reported, both at Castle Donington. Antitoxin was supplied for one case of Diphtheria following Scarlet Fever. This complication is a most serious one, and before treatment by Antitoxin was employed, was nearly always fatal. The patient in this instance recovered, and it is fair to consider that the Antitoxin was directly instrumental in saving the child's life.

ENTERIC FEVER.—Only one case, at KEGWORTH, occurred throughout the year. It is very satisfactory to be again able to record such complete freedom from this disease. It must not be forgotten however that until great sanitary improvements are effected, there is constant danger of an outbreak, once the specific infection gains a foothold.

MEASLES.—The only outbreak of importance occurred at Kegworth, where there was one death. Probably, however, more deaths than this were due to the after effects of this complaint. It is a pity that more control over this disease cannot be obtained. Although it is responsible for many more deaths in childhood than Scarlet Fever, it is considered to be, and treated as, a harmless affection.

DIARRHŒA caused 4 deaths, all infants under one year of age.

WHOOPIING COUGH was not responsible for any death, and there was no outbreak of importance during the year.

PHTHISIS caused 3 deaths, 2 at Kegworth and 1 at Castle Donington.

Water Supply.—The public supplies at Castle Donington and Kegworth have been further extended during the year. Fourteen houses have been provided with tap water in place of polluted wells, as the result of notices served. The following Table shews the progress made during the past four years :—

	No. of Inhabited Houses				No. having Public Water Supply.			
	Census 1901.				1901	1902	1903	1904
Castle Donington	-	625	-	383	388	429	445	
Kegworth	-	464	-	286	325	347	357	

Samples of water from various wells throughout the district were taken and examined by me ; when they were found to be polluted the due notices were served and were complied with.

EXCREMENT AND SEWAGE DISPOSAL.—There are far too many privy middens in the district. I am sorry to say that 14 of these were erected during 1904. In the smaller villages of course they cannot be avoided, but there is no reason why a single new one should be built in Kegworth or Castle Donington. Only 7 privies were converted to water closets during the year ; it would be more satisfactory to be able to record a larger number. Very great difficulty is experienced in getting the pits emptied, and this trouble will remain until scavengers are appointed.

The Castle Donington and Kegworth Sewage Farms have, so far as the effluent is concerned, been working fairly satisfactorily during the year.

SYSTEMATIC INSPECTION.—During the year I have, from time to time, made systematic inspections of the district in conjunction with the Sanitary Inspector. Various insanitary conditions were found, and due notice served for their removal.

No case of overcrowding, house unfit for occupation, or bad meat exposed for sale, was brought under my notice during the year.

FACTORY AND WORKSHOP ACT, 1901.—The provisions of this Act have been carried out to some extent. A register of workshops and outworkers is kept by the Inspector. The number of Factories, Workshops, &c., is 54. The work done under this Act will be seen by reference to the Table given.

The bakehouses throughout the district have been systematically inspected and are all in very good condition. There are no underground bakehouses.

Cases of infectious disease occurred at several houses in Castle Donington and Hemington where outwork was done. The work was stopped in all without difficulty.

No instance of the employment of any protected person in a workshop where no abstract was posted up came under my observation during the year.

Appended are, Tables I to IV of the Local Government Board, a Table shewing work done under the Factory Acts, Tables shewing action taken by Sanitary Inspector during the year.

I am, Gentlemen,

Yours obediently,

JOHN A. HOGG.

FEB, 1905.

TABLE I.

Vital Statistics of whole District during 1904 and previous Years.

CASTLE DONINGTON RURAL DISTRICT.

Year.	Population estimated to middle of each Year.	BIRTHS.		Total Deaths Registered in the District.			
		Number	Rate.*	Under 1 year of age		At all ages.	
				Number	Rate per 1000 Births Registered.	Number	Rate.*
1	2	3	4	5	6	7	8
1895	6313	171	27.0	28	164	101	15.9
1896	6304	180	28.5	20	111	88	13.9
1897	6293	153	24.3	22	144	101	16.0
1898	6283	161	25.6	21	130	98	15.7
1899	6264	166	26.5	26	157	110	17.5
1900	6254	158	25.4	14	89	87	13.9
1901	6223	164	26.3	24	146	93	14.9
1902	6223	164	26.3	23	140	98	15.7
1903	6223	146	23.4	20	137	87	13.9
Averages for years 1895-1903	6264	162	25.9	22	135	96	15.3
1904	6223	148	23.7	19	128	83	13.3

* Rates in Columns 4 and 8 calculated per 1000 of estimated population.

NOTE.—The deaths included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the District.

Area of District in Acres (exclusive of area covered by water)—15,398.

Total Population at all ages—6,223 (Census 1901)

Number of Inhabited Houses—1,453 (Census 1901)

Average Number of Persons per House—4.3 (Census 1901).

Table II—VITAL STATISTICS OF SEPARATE LOCALITIES in 1904 & Previous Years.
CASTLE DONINGTON RURAL DISTRICT.

Names of Localities.	WHOLE DISTRICT.				BREEDON.				CASTLE DONINGTON.				DISEWORTH.			
Year.	Population estimated to middle of each year.	Births Registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.
	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
1895	6313	171	101	28	675	18	9	3	2561	63	40	11	373	9	5	1
1896	6304	189	88	20	679	18	10	5	2550	74	42	10	374	15	7	1
1897	6293	153	101	22	683	15	12	2	2541	57	45	10	376	8	5	1
1898	6283	161	98	21	688	10	7	0	2529	75	50	10	377	16	5	1
1899	6264	166	110	26	693	19	9	3	2520	59	46	12	379	9	7	2
1900	6254	158	87	14	698	23	4	1	2520	66	42	6	381	11	6	3
1901	6223	164	93	24	705	23	16	2	2514	60	43	14	383	14	4	1
1902	6223	164	98	23	711	19	12	3	2514	59	38	11	384	9	9	4
1903	6223	146	87	20	718	22	8	1	2524	53	27	5	386	12	8	2
Averages of Years 1895 to 1903	6264	162	96	22	695	18	10	2	2530	63	41	10	379	11	6	2
1904	6223	148	83	19	726	16	4	2	2524	70	41	9	386	7	11	1

Names of Localities.	HEMINGTON.				ISLEY WALTON.				KEGWORTH.				LOCKINGTON.			
Year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.
	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d
1895	350	13	4	0	42	3	0	...	2121	59	40	13	155	6	3	...
1896	348	7	1	0	42	1	2	...	2114	62	20	4	155	4	4	...
1897	345	15	7	4	42	0	0	...	2108	54	31	5	155	4	3	...
1898	343	9	5	2	42	3	2	...	2101	59	29	8	155	6	0	...
1899	339	14	5	1	42	2	1	...	2094	57	42	8	155	6	0	...
1900	335	8	3	0	42	0	0	...	2088	46	31	3	155	4	1	...
1901	332	7	4	0	43	1	1	...	2078	57	21	5	155	2	4	2
1902	332	12	8	4	43	0	0	...	2078	62	31	1	155	2	0	...
1903	332	6	6	3	43	0	0	...	2078	50	34	8	155	3	4	1
Averages of Years 1895 to 1903	339	10	5	1	42	1	..	...	2095	55	31	6	155	4	2	...
1904	332	11	3	2	43	...	...	...	2078	40	24	5	155	4	...	...

Table III.—CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1904.
CASTLE DONINGTON RURAL DISTRICT.

NOTIFIABLE DISEASE.	Cases Notified in whole District.						Total Cases Notified in each Locality.							
	At all Ages.	At Ages—Years.					Bredon.	Castle Donington.	Diseworth.	Hemington.	Isley Walton.	Kegworth.	Lookington.	
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65								65 and upwards
Small Pox	1
Cholera	10
Diphtheria
Membranous croup
Erysipelas
Scarlet Fever	1
Typhus Fever
Enteric Fever
Relapsing Fever...
Continued Fever
Puerperal Fever...
Plague
Total	55	10	35	6	4	..	11	26	..	7	..	10	1	

NOTE.—The Localities adopted for this Table are the same as those in Tables II and IV.
 One case of Scarlet Fever removed to Draycott Isolation Hospital.

Table IV—CAUSES OF, AND AGES AT, DEATH DURING YEAR 1904.
CASTLE DONINGTON RURAL DISTRICT.

CAUSES OF DEATH.	Deaths in or belonging to whole District at subjoined Ages.							Deaths in or belonging to Localities (at all Ages.)						
	All Ages.	Under 1 year.	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Breidon.	Castle Donington	Diseworth	Hemington	Isley Walton	Kegworth	Lockington
	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Small Pox ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	1	...	1	...	...	...	...	...	...	...	...	...	1	...
Scarlet Fever ...	1	...	...	1	...	...	...	...	1	...	...	...	...	...
Whooping Cough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria & Mem- branous Croup...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Croup ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fever { Typhus ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other cont'd ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza	3	...	...	...	...	...	3	...	1	1	...	...	1	...
Cholera ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea (see notes)	4	4	...	...	...	...	...	...	4	...	...	...	...	...
Enteritis (see notes)	1	1	...	...	...	...	...	...	...	...	...	...	1	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other septic diseases	1	...	...	...	...	1	...	...	...	1	...	...	...	...
Phthisis	3	...	...	...	...	3	...	...	1	...	...	...	2	...
Other Tubercular Diseases	1	...	1	...	...	...	...	...	1	...	...	...	...	...
Cancer, Malignant Disease	4	...	...	...	...	3	1	...	3	1	...	...	...	...
Bronchitis	5	1	...	...	...	...	4	...	3	...	...	...	2	...
Pneumonia... ..	5	1	1	...	...	1	2	...	5	...	...	...	...	...
Pleurisy ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases of Respiratory Organs	2	...	1	...	...	1	...	...	1	1	...	...	...	...
Alcoholism ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cirrhosis of Liver }	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Venereal Diseases...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth ...	1	1	...	...	...	...	...	1	...	...	...	...	...	...
Diseases & Accidents of Parturition ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Heart Diseases ...	12	...	...	...	...	3	9	...	9	2	...	...	1	...
Accidents	4	...	2	...	...	2	...	...	2	...	...	...	2	...
Suicides	1	...	...	...	...	...	1	...	1	...	...	...	...	...
All other causes	34	11	1	3	...	6	13	3	9	5	3	...	14	...
All causes	83	19	7	4	...	20	33	4	41	11	3	...	24	...

Table V.—REPORT ON FACTORIES, WORKSHOPS,
LAUNDRIES, WORKPLACES, & HOMEWORK.

Factories	...	...	...	No. of inspections	...	32
Workshops	...	...	...	„ „	...	117
Homeworkers' Premises	...	...	...	„ „	...	125
						<hr/>
Total						274

Defects found :—

Nuisances under Public Health Acts—

Want of Cleanliness	...	...	...	...	9
Remedied	...	...	...	...	9
Defective Sanitary Accommodation			...	...	2
Remedied	...	...	...	...	2
Breach of special regulations for Bakehouses				...	23
Remedied	...	...	...	...	23
					<hr/>
Total	...	...	...	...	34

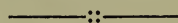
Homework :—

No. of Lists received	14
No. of Outworkers	153

Workshops :—

No. on Register at end of 1904	54
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Castle Donington Rural District Council.



SANITARY INSPECTOR'S REPORT.

Complaints	Number received	...	34
Premises, Houses, &c.	...	...	...	Number inspected	...	1207
Pool, Ditch, Watercourse	...	...	...	Number inspected	...	29
				Nuisances abated	...	29
Animals improperly kept	...	...	...	Number inspected	...	1
				Nuisance abated	...	1
Privy, Urinal, Cesspool, Ashpit				Number inspected	...	977
				Nuisances abated	...	511
Drains, Traps, &c.	..	...	...	Number inspected	...	409
				Nuisances abated	...	84
Offensive accumulations	...	...	...	Number inspected	...	24
				Nuisances abated	...	24
Slaughter-houses	...	...	...	Number inspected	...	38
Canal Boats	...	...	...	Number inspected	...	10
Houses Cleansed	...	...	...	...	...	1
Houses disinfected after infectious disease	...	...	...	...	...	22
House Sanitation :—						
Privy-middens	...	...	...	New provided	...	14
				Converted to Pails	...	8
				Converted to W.C.s	...	7
Pail Closets	...	...	...	New provided	...	8
				Converted to W.C.s	...	nil
Water Closets	...	...	...	New provided	...	9
Ashpits	...	...	...	New provided	...	34

Water Supply :—

Samples taken for Analysis	...	...	...	...	9
Ditto condemned	...	...	...	...	8
Public supply substituted for well	...	...	...	...	14
Cistern repaired	1

FACTORY AND WORKSHOP ACT, 1901.

Workshops	...	No. on Register (including Bakehouses)	54
		No. in which nuisances abated	34
Bakehouses	...	No. on Register	16
		No. in which nuisances abated	2
Homework	...	No. of Outworkers	153
		No. of Houses	146
		Infected Houses	2

FRANCIS HALLADAY,

SANITARY INSPECTOR.

FEBRUARY, 1905.

